



15W/S

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Bailey et al
App. No.: 10/666,527 GPAU: 1722
Filing Date: 18 Sept 2003 Examiner: Emmanuel S. Luk
Dkt. No.: PA51-22-02 Conf. No.: 5895
For: Imprint Lithography Templates Having Alignment Marks

INFORMATION DISCLOSURE STATEMENT

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The following information is submitted in compliance with Applicants' duty of disclosure and pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98. The undersigned brings the patents, publications, applications or other information identified in the attached **Form(s) PTO/SB/08A** to the Examiner's attention in the above-identified application. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed during the period specified in § 1.97(c). Accordingly, the fee set forth in § 1.17(p) is required and provided as shown below.

Further, Applicants believe it to be prudent for the Examiner to review the document numbers of each cited reference such that many cited references have substantially similar, if not identical document numbers associated therewith. Further, Applicants also believe it be prudent to view the English translation abstracts, if provided, along with the figures associated with each cited reference.

The Commissioner is hereby authorized to charge **\$180.00** to Deposit Account

07/03/2006 HDESTA1 00000058 502650 10666527
01 FC:1806 180.00 DA

Number 502650. Applicants do not believe that any additional fees are due, but if the Commissioner believes additional fees are due, the Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 502650.

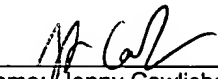
CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as either First Class Mail or Express Mail, in an envelope addressed to the Commissioner for Patents.

Signed: _____

Typed Name: Jenny Cowlishaw

Date: _____



Jun 26, 2006

Respectfully Submitted,



Michael D. Carter
Reg. No. 56,661
Registered Patent Agent
Legal Department
Molecular Imprints, Inc.
P.O. Box 81536
Austin, TX 78758-1536
(512) 339-7760
(512) 491-8918 (fax)



PTO/SB/08A (08-03)

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT***(use as many sheets as necessary)*

Sheet

1

of

4

Complete if Known

Application Number	10/666,527
Filing Date	18 Sept 2003
First Named Inventor	Bailey et al
Group Art Unit	1722
Examiner Name	Emmanuel S. Luk
Attorney Docket Number	PA51-22-02

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	E1	2003/0180631	A1	Shiota et al.	9/25/2003	
	E2	6,664,026	B2	Nguyen et al.	12/16/2003	
	E3	6,261,469	B1	Zakhidov et al.	7/17/2001	
	E4	5,817,376		Everaerts et al.	10/6/1998	
	E5	6,986,975	B2	Sreenivasan et al.	1/17/2006	
	E6	2006/0019183	A1	Voisin	1/26/2006	
	E7	3,677,178		Gipe	7/18/1972	
	E8	6,743,368	B2	Lee	6/1/2004	
	E9	2005/0236360	A1	Watts et al.	10/27/2005	
	E10	6,399,406	B2	Chan et al.	6/4/2002	
	E11	6,605,849	B1	Lutwak et al.	8/12/2003	
	E12	6,607,173	B2	Westmoreland	8/19/2003	
	E13	7,037,639	B2	Voisin	5/2/2006	
	E14	2006/0096949	A1	Watts et al.	5/11/2006	

Examiner
SignatureDate
Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/666,527
				Filing Date	18 Sept 2003
				First Named Inventor	Bailey et al
				Group Art Unit	1722
				Examiner Name	Emmanuel S. Luk
Sheet	2	of	4	Attorney Docket Number	PA51-22-02

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

	E15	Translation of Japanese Patent 61-40845, 2/1/1986	
	E16	Translation of Japanese Patent 02-248480, 10/1/1990	
	E17	Translation of Japanese Patent 03-090345, 4/1/1991	
	E18	Translation of Japanese Patent 09-278490, 10/1/1997	
	E19	Abstract of Japanese Patent 03-090345, 4/1/1991	
	E20	Abstract of Japanese Patent 09-278490, 10/1/1997	
	E21	BIEN ET AL., Characterization of Masking Materials for Deep Glass Micromachining, J. Micromech. Microeng. 13 pp. S34-S40 1/1/2003	
	E22	BRITTEN ET AL., Multiscale, Multifunction Diffractive Structures We Etched into Fused Silica for High-Laser Damage Threshold Applications, Applied Optics, Vol. 37, No. 30 10/20/1998	
	E23	FLETCHER ET AL., Microfabricated Silicon Solid Immersion Lens, Journal of Microelectromechanical Systems, Vol. 10, No. 3 9/1/2001	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/666,527
				Filing Date	18 Sept 2003
				First Named Inventor	Bailey et al
				Group Art Unit	1722
				Examiner Name	Emmanuel S. Luk
				Attorney Docket Number	PA51-22-02
Sheet	3	of	4		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

	E24	KHANDAKER ET AL., Fabrication of Microlens Arrays by Direct Electron Beam Exposure of Photoresist, Pure Appl. Opt. 6, pp. 637-641 1/1/1997	
	E25	KIM ET AL., Replication Qualities and Optical Properties of UV-moulded Microlens Arrays, J. Phys. D: Appl. Phys. 36; pp. 2451-2456 1/1/2003	
	E26	KOBAYASHI ET AL., Batch Bulk-Mircomachined High-Precision Metal-On-Insulator Microspires and Their Application to Scanning Tunneling Microscopy, J. Micromech. Microeng. 14; pp. S76-S81 1/1/2004	
	E27	KONIJN ET AL., Nanoimprint Lithography of Sub-100nm 3D Structures, Microelectronic Engineering 78-79; pp653-658 1/1/2005	
	E28	KUNNAVAKKAM ET AL., Low-cost, Low-loss Microlens Arrays Fabricated by Soft-Lithography Replication Process, Applied Physics Letters, Volume 82, Number 8 2/24/2003	
	E29	MANSELL ET AL., Binary-Optic Smoothing with Isotropic Etching, Applied Optics; Vol. 36, No. 20 7/10/1997	
	E30	WAHEED ET AL., Balancing Aerial Image Intensity for Alternating Aperture Phase Shift Masks Using an Isotropic Dry-Etch, Proceedings of SPIE Vol. 5130 4/18/2003	
	E31	SANO ET AL., Submicron Spaced Lens Array Process Technology for a High Photosensitivity CCD Image Sensor, IEEE IEDM Dig.; pp. 283-286 1/1/1990	
	E32	TSUKAMOTO ET AL., High Sensitivity Pixel Technology for a 1/4 inch PAL 430k pixel IT-CCD, IEE Custom Integrated Circuits Conference 1/1/1996	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/666,527
				Filing Date	18 Sept 2003
				First Named Inventor	Bailey et al
				Group Art Unit	1722
				Examiner Name	Emmanuel S. Luk
Sheet	4	of	4	Attorney Docket Number	PA51-22-02

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	E33	YONEDA ET AL., Translation of Japanese Patent 02-248480, Transparent Substrate with Water-Repellent and Antistaining Properties, and Structure Equipped Therewith 10/4/1990	
	E34	YONEDA ET AL., Translation of Japanese Patent 02-248480, Transparent Substrate Material with Water-Repellent and Anti-Staining Properties and Structure Equipped with Same 10/4/1990	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.